

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/516,399
Source: JFWP
Date Processed by STIC: 08/09/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/516,399

TIME: 11:44:20

Input Set : A:\-140.APP

Output Set: N:\CRF4\08092006\J516399.raw

3 <110> APPLICANT: Allan, Bernard
4 Gregoire, Francine
5 Lavan, Brian
6 Moodie, Shonna
7 Waters, Steve
8 Wong, Chi-Wai
9 Metabolex, Inc.
11 <120> TITLE OF INVENTION: Methods of Diagnosing and Treating Diabetes and Insulin
12 Resistance
14 <130> FILE REFERENCE: 016325-014000US
16 <140> CURRENT APPLICATION NUMBER: US 10/516,399
C--> 17 <141> CURRENT FILING DATE: 2004-11-30
19 <150> PRIOR APPLICATION NUMBER: US 60/385,857
20 <151> PRIOR FILING DATE: 2002-06-04
22 <150> PRIOR APPLICATION NUMBER: US 60/386,013
23 <151> PRIOR FILING DATE: 2002-06-04
25 <150> PRIOR APPLICATION NUMBER: US 60/386,074
26 <151> PRIOR FILING DATE: 2002-06-04
28 <150> PRIOR APPLICATION NUMBER: US 60/386,107
29 <151> PRIOR FILING DATE: 2002-06-04
31 <150> PRIOR APPLICATION NUMBER: US 60/386,314
32 <151> PRIOR FILING DATE: 2002-06-05
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38 <151> PRIOR FILING DATE: 2002-06-05
40 <150> PRIOR APPLICATION NUMBER: US 60/386,481
41 <151> PRIOR FILING DATE: 2002-06-05
43 <150> PRIOR APPLICATION NUMBER: US 60/386,512
44 <151> PRIOR FILING DATE: 2002-06-05
46 <150> PRIOR APPLICATION NUMBER: US 60/386,513
47 <151> PRIOR FILING DATE: 2002-06-05
49 <150> PRIOR APPLICATION NUMBER: US 60/386,558
50 <151> PRIOR FILING DATE: 2002-06-05
52 <150> PRIOR APPLICATION NUMBER: US 60/386,600
53 <151> PRIOR FILING DATE: 2002-06-05
55 <150> PRIOR APPLICATION NUMBER: US 60/386,615
56 <151> PRIOR FILING DATE: 2002-06-05
58 <150> PRIOR APPLICATION NUMBER: US 60/386,654
59 <151> PRIOR FILING DATE: 2002-06-05
61 <150> PRIOR APPLICATION NUMBER: US 60/386,838
62 <151> PRIOR FILING DATE: 2002-06-06
64 <150> PRIOR APPLICATION NUMBER: US 60/386,861

cp9-6)

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65 <151> PRIOR FILING DATE: 2002-06-06
67 <150> PRIOR APPLICATION NUMBER: US 60/386,944
68 <151> PRIOR FILING DATE: 2002-06-06
70 <150> PRIOR APPLICATION NUMBER: US 60/386,955
71 <151> PRIOR FILING DATE: 2002-06-06
73 <150> PRIOR APPLICATION NUMBER: US 60/387,017
74 <151> PRIOR FILING DATE: 2002-06-06
76 <150> PRIOR APPLICATION NUMBER: US 60/387,026
77 <151> PRIOR FILING DATE: 2002-06-06
79 <150> PRIOR APPLICATION NUMBER: US 60/387,039
80 <151> PRIOR FILING DATE: 2002-06-06
82 <150> PRIOR APPLICATION NUMBER: US 60/386,865
83 <151> PRIOR FILING DATE: 2002-06-20
85 <150> PRIOR APPLICATION NUMBER: WO PCT/US03/17825
86 <151> PRIOR FILING DATE: 2003-06-04
88 <160> NUMBER OF SEQ ID NOS: 114
90 <170> SOFTWARE: PatentIn Ver. 2.1
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93 <211> LENGTH: 1888
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
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102 <222> LOCATION: (238)..(1146)
103 <223> OTHER INFORMATION: PPT2
105 <400> SEQUENCE: 1
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108 aaagaactcc gcgttggtca tggctgaggg gatgcattag gaagatcctg gacctagaga 180
109 acaagtcccc cgaacgctga gttggaggcg ggacttcggg tgcgcgttgg cgggagcatg 240
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113 acacaccccg ggactgtggt gacagtgtct gatctcttcg atgggagaga gagcttgca 480
114 cccctgtggg aacaggtgca agggttccga gaggtgtggt tccccatcat ggcaaaggcc 540
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116 tctgtcatgg atgatacaaa cgtggattct ttcattctcc tctcctctcc acagatggga 660
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127 ccccatTTTT agtagagacg gggTTTTagt agagacttgg cctcccagaa ccccttct 1320
128 ctgctcctcc atgaatgaca attccaggcc tccctacct catgtcctct catttggggg 1380
129 attgctccgt gctgtccctt tctctcaagg ccgaagtgg gaagtgagaa accatgtttt 1440
130 taacttgtgg ctgcttttgc tgctgtgct cctccgtatc tggctgtatg ggtggagaac 1500
131 ccacccctg cccaccacag gggctctcct ccaggccact caggacattt ttagcttctc 1560
132 tctctcccat gttccctttt ttctctaaag tccctgaca tcagccctcc caactcctaa 1620
133 gagggactac ccatgagagt ggggttctga ggctccccta tggggacagt tccgttcttg 1680
134 aagtgtcagt gttggggaat atctgtggcc tatgaggccc atctcagggt tggggatccc 1740
135 ccagtcccta tgatcagtgt tggagtaccc ccctgggaga gcctagtttc tttgaggccc 1800
136 caggccctct ttttaactacc tttgaatagg tgttatccct gtatttatgg aaataaagtt 1860
137 ccatttcttc aaaaaaaaaa aaaaaaaaaa 1888

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140 <210> SEQ ID NO: 2

141 <211> LENGTH: 302

142 <212> TYPE: PRT

143 <213> ORGANISM: Homo sapiens

145 <220> FEATURE:

146 <223> OTHER INFORMATION: human palmitoyl-protein thioesterase 2 (PPT2)

148 <400> SEQUENCE: 2

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153           20           25           30
155 Arg Ala Ser Tyr Lys Pro Val Ile Val Val His Gly Leu Phe Asp Ser
156           35           40           45
158 Ser Tyr Ser Phe Arg His Leu Leu Glu Tyr Ile Asn Glu Thr His Pro
159           50           55           60
161 Gly Thr Val Val Thr Val Leu Asp Leu Phe Asp Gly Arg Glu Ser Leu
162   65           70           75           80
164 Arg Pro Leu Trp Glu Gln Val Gln Gly Phe Arg Glu Ala Val Val Pro
165           85           90           95
167 Ile Met Ala Lys Ala Pro Gln Gly Val His Leu Ile Cys Tyr Ser Gln
168           100          105          110
170 Gly Gly Leu Val Cys Arg Ala Leu Ser Val Met Asp Asp His Asn
171           115          120          125
173 Val Asp Ser Phe Ile Ser Leu Ser Ser Pro Gln Met Gly Gln Tyr Gly
174           130          135          140
176 Asp Thr Asp Tyr Leu Lys Trp Leu Phe Pro Thr Ser Met Arg Ser Asn
177 145           150           155           160
179 Leu Tyr Arg Ile Cys Tyr Ser Pro Trp Gly Gln Glu Phe Ser Ile Cys
180           165           170           175
182 Asn Tyr Trp His Asp Pro His His Asp Asp Leu Tyr Leu Asn Ala Ser
183           180           185           190
185 Ser Phe Leu Ala Leu Ile Asn Gly Glu Arg Asp His Pro Asn Ala Thr
186           195           200           205
188 Val Trp Arg Lys Asn Phe Leu Arg Val Gly His Leu Val Leu Ile Gly
189           210           215           220
191 Gly Pro Asp Asp Gly Val Ile Thr Pro Trp Gln Ser Ser Phe Phe Gly
192 225           230           235           240
194 Phe Tyr Asp Ala Asn Glu Thr Val Leu Glu Met Glu Glu Gln Leu Val

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195          245          250          255
197 Tyr Leu Arg Asp Ser Phe Gly Leu Lys Thr Leu Leu Ala Arg Gly Ala
198          260          265          270
200 Ile Val Arg Cys Pro Met Ala Gly Ile Ser His Thr Ala Trp His Ser
201          275          280          285
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204          290          295          300
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208 <211> LENGTH: 909
209 <212> TYPE: DNA
210 <213> ORGANISM: Mus musculus
212 <220> FEATURE:
213 <223> OTHER INFORMATION: mouse palmitoyl-protein thioesterase 2 (PPT2) cDNA
215 <220> FEATURE:
216 <221> NAME/KEY: CDS
217 <222> LOCATION: (14)..(909)
218 <223> OTHER INFORMATION: PPT2
220 <400> SEQUENCE: 3
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223 gtggtgcacg ggctctttga cagttcatac agcttcgcg acctgctgga ctatatcaat 180
224 gagacacaca ccgggactgt ggtgacagt cttgatctct tcgatggcag agagagtttg 240
225 cgccccctgt gggaacaggt acaagggttc cgagaggctg tggccccat catggaaaag 300
226 gcccctgaag gagtgcacct catctgctac tcccaggggg gcctgggtgt cctgctttg 360
227 ctgtctgtca tggataacca caatgtggac tctttcatct ccctctctct cccacagatg 420
228 ggccagtatg gagacacgga ctatttgaaa tggctcttcc ccacgtccat gcggtctaac 480
229 ctctatcggt tctgctatag tccttggggc caggaatttt ccatttgcaa ctactggcac 540
230 gatcctcacc acgatgaact gtacctcaat gccagcagct ttctggccct catcaatggg 600
231 gaaagagacc atcccaatgc cactgcatgg cggaagaact tccttcgcgt gggccgtctg 660
232 gtgctgattg ggggtcctga tgatggcggt atcactccct ggcaatctag cttctttggt 720
233 ttctatgatg ccaatgagac agttctggag atggaggagc agccggtgta tcttcgagat 780
234 tcttttgggt tgaagactct cctggccccg ggggccatag tgaggtgtcc catggctggc 840
235 atctctcaca ccacgtggca ctctaaccgt acgctctacg atacttgcac tgagccgtgg 900
236 ctctctctga
239 <210> SEQ ID NO: 4
240 <211> LENGTH: 302
241 <212> TYPE: PRT
242 <213> ORGANISM: Mus musculus
244 <220> FEATURE:
245 <223> OTHER INFORMATION: mouse palmitoyl-protein thioesterase 2 (PPT2)
247 <400> SEQUENCE: 4
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251 Leu Leu Pro Phe Leu Pro Leu Leu Met Pro Ala Ala Pro Ala Ala His
252 20 25 30
254 Arg Gly Ser Tyr Lys Pro Val Ile Val Val His Gly Leu Phe Asp Ser
255 35 40 45
257 Ser Tyr Ser Phe Arg His Leu Leu Asp Tyr Ile Asn Glu Thr His Thr
258 50 55 60

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260 Gly Thr Val Val Thr Val Leu Asp Leu Phe Asp Gly Arg Glu Ser Leu
261   65              70              75              80
263 Arg Pro Leu Trp Glu Gln Val Gln Gly Phe Arg Glu Ala Val Val Pro
264              85              90              95
266 Ile Met Glu Lys Ala Pro Glu Gly Val His Leu Ile Cys Tyr Ser Gln
267              100             105             110
269 Gly Gly Leu Val Cys Arg Ala Leu Leu Ser Val Met Asp Asn His Asn
270              115             120             125
272 Val Asp Ser Phe Ile Ser Leu Ser Ser Pro Gln Met Gly Gln Tyr Gly
273              130             135             140
275 Asp Thr Asp Tyr Leu Lys Trp Leu Phe Pro Thr Ser Met Arg Ser Asn
276 145              150             155             160
278 Leu Tyr Arg Val Cys Tyr Ser Pro Trp Gly Gln Glu Phe Ser Ile Cys
279              165             170             175
281 Asn Tyr Trp His Asp Pro His His Asp Asp Leu Tyr Leu Asn Ala Ser
282              180             185             190
284 Ser Phe Leu Ala Leu Ile Asn Gly Glu Arg Asp His Pro Asn Ala Thr
285              195             200             205
287 Ala Trp Arg Lys Asn Phe Leu Arg Val Gly Arg Leu Val Leu Ile Gly
288              210             215             220
290 Gly Pro Asp Asp Gly Val Ile Thr Pro Trp Gln Ser Ser Phe Phe Gly
291 225              230             235             240
293 Phe Tyr Asp Ala Asn Glu Thr Val Leu Glu Met Glu Glu Gln Pro Val
294              245             250             255
296 Tyr Leu Arg Asp Ser Phe Gly Leu Lys Thr Leu Leu Ala Arg Gly Ala
297              260             265             270
299 Ile Val Arg Cys Pro Met Ala Gly Ile Ser His Thr Thr Trp His Ser
300              275             280             285
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303              290             295             300
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307 <211> LENGTH: 1660
308 <212> TYPE: DNA
309 <213> ORGANISM: Rattus norvegicus
311 <220> FEATURE:
312 <223> OTHER INFORMATION: rat palmitoyl-protein thioesterase 2 (PPT2) cDNA
314 <220> FEATURE:
315 <221> NAME/KEY: CDS
316 <222> LOCATION: (74)..(982)
317 <223> OTHER INFORMATION: PPT2
319 <400> SEQUENCE: 5
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322 tctcctgcct ttcttgccgc tgctgttgcc cgcagcccc gcacccacc gcgggtccta 180
323 caagccagtg atcgtggtgc atgggctctt tgacagttca tacagcttcc gccacctgct 240
324 ggactacatc aatgagacac accccgggac tgtggtgaca gtgcttgatc tcttcgatgg 300
325 cagagagagc ttgcgacccc tgtgggaaca ggttcaaggg ttccgagagg ctgtggtccc 360
326 catcatggaa aaggccccctg agggggtaca cctcatctgc tactcccagg gaggcctggt 420
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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; N Pos. 204, 225, 240, 270

Seq#:49; N Pos. 582

Seq#:91; N Pos. 1341, 1342

Seq#:92; Xaa Pos. 286

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:180

M:341 Repeated in SeqNo=23

L:4247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:540

L:7411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:1320

L:7525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:272